CATTARAUGUS RESERVATION

EXPLANATION

- Surficial deposits overlying bedrock units
- Gowanda Shale Member of the Canadaway Formation; gray to black shale with some interbedded gray siltstone, some concretions
- South Wales Shale Member of the Canadaway Formation; gray shale with some gray siltstone, some horizons concretionary
- Dunkirk Shale Member of the Canadaway Formation; dark gray to black shale, septaria
- Hanover Shale Member of the Java Formation; gray and black shale, thin siltstone and limonite, calcareous nodules
- Angola Shale Member of the West Falls Formation; gray shales and mudstones, abundant calcareous nodules and concretions, fissile grayish black and brownish black shales

BARIUM CONCENTRATION

- Less than 0.3 mg/L
- 0.3 to 1.0 mg/L
- 1.0 to 10 mg/L
- 10.0 to 20.0 mg/L

WELL LOCATION

- Location of wells sampled for barium; location is at center of small circles or at point of triangle on large circles; numbers are the "local numbers" given in Table 3

G Gas well

BEDROCK GEOLOGY AND DISTRIBUTION OF BARIUM CONCENTRATIONS IN GROUND WATER AT THE CATTARAUGUS INDIAN RESERVATION